Docket No.: 1293.1923

ABSTRACT OF DISCLOSURE

An improved motion image encoding method is based on a discrete cosine transform (DCT)-based motion image encoding method that uses a plurality of modified quantization weight matrices, the method including selecting one of the plurality of modified quantization weight matrices based on noise information from input image data, performing DCT on the input image data, and performing quantization on the DCT input image data using the selected modified quanitzation weight matrix.